

Please amend the subject application as follows:

In the Specification

On page 1, under the heading "Related Applications", please delete lines 3-4 and insert therefore:

--This application is a divisional application of Application No. 08/349,956, filed December 6, 1994, now pending; which is a divisional application of Application No. 07/898,185, filed June 12, 1992, now issued as U.S. Patent No. 5,371,188, which is a continuation application of Application No. 07/321,384, filed March 14, 1989, now abandoned, which is a continuation --in-part application of Application No. 07/170,295, filed March 18, 1988, now abandoned, the entire contents of each of which are hereby incorporated by reference herein.--

In the Claims

Please amend claims 5-9, as follows. For the convenience of the Examiner, claims not amended herein are presented labeled "Reiterated".

5. (Amended) A substantially pure double-stranded DNA wherein the sense strand encodes the primary amino acid sequence of a neuronal nicotinic acetylcholine receptor polypeptide selected from the group consisting of alpha2, alpha4, **[alpha5,]** beta2, and beta3 **[and beta4]**.